



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 3] नई दिल्ली, शनिवार, जनवरी 21, 1978 (माघ 1, 1899)  
No. 3] NEW DELHI, SATURDAY, JANUARY 21, 1978 (MAGHA 1, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंट और डिजाइन से सम्बंधित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS & DESIGNS

Calcutta, the 21st January 1978

### SPECIAL NOTICE

The following holidays will be observed by the Patent Office Branch, New Delhi during the year 1978

Name of Festival	Day of the week	Date
Republic Day	Thursday	26th January
Good Friday	Friday	24th March
Holi	Saturday	25th March
Mahavira Jayanti	Friday	21st April
Budha Purnima	Monday	22nd May
Independence Day	Tuesday	15th August
Janamastami	Friday	25th August
Idu'l-Fitr	Wednesday	6th September
Mahatma Gandhi's Birthday	Monday	2nd October
Dussehra	Tuesday	10th October
Dussehra	Wednesday	11th October
Diwali (Dipavali)	Tuesday	31st October
Idu's-Zuha (Bakrid)	Sunday	12th November
Guru Nanak's Birthday	Tuesday	14th November
Muharram	Tuesday	12th December
Christmas Day	Monday	25th December

## APPLICATION FOR PATENTS FILED AT THE

## HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

15th December 1977

- 1730/Cal/77. Jose Pires Ribeiro. Device for supporting bottles containing serum in hospital wards, operating rooms and the like.
- 1731/Cal/77. Stanadyne, Inc. Timing control for fuel pump.
- 1732/Cal/77. Dunlop India Limited. Animal drawn vehicles.
- 1733/Cal/77. Dunlop India Limited. Animal drawn vehicles.
- 1734/Cal/77. Mundipharma AG. Antiarrhythmic quinuclidine carboxylic acid xylidide and method of producing the same and similar compounds.
- 1735/Cal/77. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Process for the production of basic substituted alkyl theophylline.

16th December 1977

- 1736/Cal/77. Snia Viscosa S.P.A. Process for the manufacture of preoriented polyamide yarns and for texturization of the same, and products obtained by said process.
- 1737/Cal/77. Bejoyendra Nath Basu. A bracket and wheel for a heavy engineering Trolley and all sorts of Trolley.
- 1738/Cal/77. Behringwerke Aktiengesellschaft. Immunoglobulin having a reduced complement fixation, a process for its preparation and agents containing this immunoglobulin.
- 1739/Cal/77. Dainichi-Nippon Cables, Ltd. Method and apparatus for separating wires.
- 1740/Cal/77. Standard Car Truck Company. Railroad car truck improvement.
- 1741/Cal/77. Teldix G.m.b.H. A device for monitoring the thread of an open ended spinning turbine.
- 1742/Cal/77. Siemens Aktiengesellschaft. Sintered material.
- 1743/Cal/77. Hoechst Aktiengesellschaft. New diazo compounds, processes for their manufacture and their use as colorants.
- 1744/Cal/77. Hoechst Aktiengesellschaft. Nitroamines, processes for their manufacture and their use as diazo components.

17th December 1977

- 1745/Cal/77. Wm. R. Stewart & Sons (Hacklemakers) Limited. Cutting Device. (22nd December, 1976.).
- 1746/Cal/77. Vinar Systems Private Limited. Storage system.
- 1747/Cal/77. Snia Viscosa-S.P.A. Process for the texturization of polycapronamide fibres and texturised polycapronamide fibres obtained according to the process.

19th December 1977

- 1748/Cal/77. Burroughs Corporation. High performance floppy pack and associated system.
- 1749/Cal/77. Monsanto Company. Process for producing N-phosphonomethylglycine salts.
- 1750/Cal/77. Borsodi Vegyi Kombinat. Process and apparatus for the concentration of raw waters of high salt content.
- 1751/Cal/77. Martin Engineering Co. Belt cleaner mounting arrangement.

20th December 1977

- 1752/Cal/77. Dana Corporation. Piston pin bore and method of finishing.
- 1753/Cal/77. Hoya Takeshi and Tuji Tadashi. Double acting filter press.
- 1754/Cal/77. L & C. Steinmuller GMBH. Welded joint.
- 1755/Cal/77. Tulsky Proektno-Konstruktorsky Tekhnologicheskyy Institut Mashinostroeniya, Chillyfree foundry iron.
- 1756/Cal/77. Tallinsky Politechnicheskyy Institut and Kievsky Kombinat Strolindustrii. Heat-insulating material.
- 1757/Cal/77. Westinghouse Electric Corporation. Apparatus for protection against subsynchronous currents in a power system.
- 1758/Cal/77. Westinghouse Electric Corporation. Apparatus for detecting subsynchronous current in power systems.

21st December 1977

- 1759/Cal/77. Snamprogetti S.P.A. Method for the preparation of dimethyl ether and catalyst therefor.
- 1760/Cal/77. Teldix G.m.b.H. A device for the monitoring irregularities and/or structural changes in the thread of an open-ended spinning turbine.

## APPLICATION FOR PATENTS FILED AT THE

(DELHI BRANCH)

6th December 1977

- 437/Del/77. Door-Oliver Incorporated. Fluid bed process heater.
- 438/Del/77. Industrie Pirelli SpA. Improvements in radial tyres.

7th December 1977

- 439/Del/77. Socri International S.A. Method of manufacturing porous, water-permeable and not frost-susceptible terra cotta pavings usable as ground coating and pavings thus obtained.
- 440/Del/77. MacGREGOR International S.A. Improvements in or relating to a device for operating hatch covers or the like composed of panels.

9th December 1977

- 441/Del/77. Kailash Nath Sarin & Victor Ernest Roche; trading as Zetta-Photonics. An electrical gate.
- 442/Del/77. Kailash Nath Sarin & Victor Ernest Roche; trading as Zetta Photonics. Variable input power device.
- 443/Del/77. Manduri Atchuta Ramaiah, (2) Har Narain Gupta & Rajendra Prasad Shukla. A device for heating of C-Masseculite. [Addition to No. 2382/Cal/75].

- 444/Del/77. Sirtaj Singh. A vehicle.

- 445/Del/77. George Frederick Fanta, (2) Edward Irvin Stout & William MC Kee Doane. Highly absorbent polymeric compositions from polyhydroxy polymer graft copolymers.

- 446/Del/77. Yarway Corporation. Attenuator.

- 447/Del/77. Creusot-Loire & Emite Sprunck. Method of using a blowing tuyers for refining liquid metal.

- 448/Del/77. Aluminium Pechiney. Method of obtaining pure alumina by acid attack on aluminous minerals containing other elements.

- 449/Del/77. Miles Laboratories, Inc. Apparatus for measuring light intensities.

- 450/Del/77. Bayer Aktiengesellschaft. A process for the production of thioxoline-2-thiones.

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

13th December 1977

191/Mas/77. Syed Sirajuddin. A device to automatically cut off power supply to 3 phase motors when supply to any one phase is cut off to prevent the motor from damages.

17th December 1977

192/Mas/77. A. K. G. Venkatachalapathy. Electrically operated apparatus to rock the cradle.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra in sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 64B. 143705.  
Int. Cl.-H01r 21/00.

A DEVICE ADAPTED TO BE USED AS A PLUG, SOCKET OR ADAPTOR.

*Applicant & Inventor* : ATAM DEWAN, 31/21, EAST PATEL NAGAR, 1ST FLOOR, NEW DELHI-110008, INDIA.

Application No. 951/Cal/75 filed May 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A device for electrical connections having one input side consisting of a line, neutral and earth terminal adapted to be connected to a power source, at least one output side consisting of line, earth and neutral terminals the input earth terminal connected directly to the output earth terminal, one of said input line or neutral terminal connected directly to its corresponding output terminal, the other of said input terminal being connected to its corresponding output terminal through a fuse, characterized by the provision of a first and second conducting strips electrically connected to each other through a switch, the fuse connecting the input line terminal to said first strip, the output line terminal being connected to one end of said second strip, a third and fourth conducting strip connected to each other through a neon lamp and resistor, said fourth strip being connected to the neutral terminal, said third strip being connected to the opposite end of said second strip.

CLASS 31A. 143706.  
Int. Cl.-H01g 1/00, 3/00.

AN IMPROVED PROCESS FOR THE FABRICATION OF THIN FILM CAPACITORS.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

*Inventors* : AWATAR SINGH AND YOGENDER KUMAR JAIN.

Application No. 1612/Cal/75 filed August 19, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

An improved process for the fabrication of a thin film capacitor by vacuum deposition of a substrate with three layers of a conductor, insulator and conductor film materials wherein, metalization shorts in the thin film insulation layer due to pin holes are eliminated, characterised in that after the deposition of the bottom conductor and thin insulation layer, the substrate is treated with a dilute sodium hydroxide, solution to etch away the bottom conductor layer film exposed through the pin holes and thereafter vacuum depositing the top conductor film layer on the thus treated substrate.

CLASS 155F. 143707.  
Int. Cl.-C09k 3/28.

METHOD FOR THE MANUFACTURE OF SELF EXTINGUISHING POLYSTYRENE FOAM/PRODUCTS.

*Applicant* : CHIEF CONTROLLER, RESEARCH AND DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA).

*Inventors* : DR. KAPPAGANTULA JWALA BALAKRISHNA, SHRI SHANTI PRASAD BAIJAI, SHRI RAM PRAKASH TRIPATHI.

Application No. 1618/Cal/75 filed August 19, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims. No drawings.

A method for the manufacture of self extinguishing polystyrene foam/products which comprises treating polystyrene foam/products with an emulsion obtained by mixing polyvinyl acetate, polyvinyl chloride, chlorinated rubber and antimony trioxide the said emulsion having predominantly polyvinyl acetate.

CLASS 172D. 143708.  
Int. Cl. D02g 1/16.

FALSE TWISTING UNIT.

*Applicant* : HOLLANDSE SIGNAALAPPARATEN B. V., OF ZUIDELIJKE HAVENWEG 40, HENGLO (O), THE NETHERLANDS.

*Inventor* : JAN NIJHUIS.

Application No. 1401/Cal/75 filed July 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

False twisting unit consisting of a body through which a substantially cylindrical passage is provided, which passage is surrounded by a (first) cavity connected with said passage through tangential air ducts, while further a (first) channel passes through said body and opens into said (first) cavity, through which channel compressed air can be supplied, which produces a rotating air column, wherein said body is provided with a second channel connected with said passage in such a way that liquid at or near the mouth of the tangential air ducts can be introduced into said passage.

CLASS 154G & H. 143709.  
Int. Cl.-B41f 1/00, D06p 1/00.

A SCREEN PRINTING MACHINE FOR PRINTING ON SHEET MATERIAL.

*Applicant & Inventor* : KIRTIKUMAR GANDHI, OF 17, CAMAC STREET, CALCUTTA-16, STATE OF WEST BENGAL, INDIA.

Application No. 397/Cal/76 filed March 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims.

A screen printing machine comprising an endless blanket, means for causing said blanket to have periodic travel, said blanket being adapted to carry a sheet of material to be printed by a dye, through a flat printing screen disposed above the fabric, at least one roller made of a material attracted by electro-magnet placed over the screen, one or more electro-magnets in a magnet carrier disposed along the length or width of the screen and located in the region of the said blanket, the roller have its longitudinal axis parallel to the longitudinal axis of the magnet carrier characterized by that the magnet carrier is secured to chains located one on either side of the screen, said chains travelling over chain wheels driven by an electric motor, the said chains being adapted to move the magnet carrier sequentially in the forward and reverse directions along the screen, means for stopping the movement of the chains and consequently the magnet carrier at the end of the screen, and means for causing the chains with the magnet carrier to travel in the opposite direction along the screen only after the blanket with the material already printed has moved forward so that the material to be printed now below the screen is printed with the reverse movement of the chains and consequently the roller which will travel by the reverse movement of the magnet carrier with the chains.

CLASS 32B &amp; 40B.

143710.

Int. Cl.-C07b 3/00.

A PROCESS FOR THE DEHYDROGENATION OF HYDROCARBON WITH THE AND OF AN IRON CONTAINING CATALYST.

*Applicant* : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. OF CAREL VAN BYLANDT LAAN 30, THE HAGUE, THE NETHERLANDS.

*Inventor* : GREG OR HANS RIESSER.

Application No. 1031/Cal/76 filed June 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the dehydrogenation of anhydrocarbon which comprises contacting the hydrocarbon in the presence of steam with a catalyst comprising :

- from 50 to 95 percent by weight of an iron compound, measured as ferri oxide,
- from 5 to 30 percent by weight of a potassium compound, measured as potassium oxide,
- from 1 to 6 percent by weight of a chromium compound, measured as chromium oxide,
- from 1 to 6 percent by weight of a vanadium compound, measured as vanadium pentoxide,
- from 0.1 to 10 percent by weight of a cobalt compound, measured as cobaltous oxide.

CLASS 83A.

143711.

Int. Cl.-A23c 11/00, 9/00.

PROCESS FOR PREPARING VEGETABLE BASED CONDENSED MILK.

*Applicant* : NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMAS.

*Inventors* : JAN KRUSEMAN, PIERRE YVES BERTSCHY, JAIME HIDALGO AND OLIVIER DE RHAM.

Application No. 2001/Cal/76 filed November 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No drawings.

A process for the production of a vegetable-based condensed milk, which comprises subjecting a vegetable protein in the form of an aqueous solution or suspension to enzymatic

hydrolysis and mixing together 4 to 9 parts by weight of fats, 8 to 18 parts by weight of the treated protein, up to 14 parts by weight of lactose, 40 to 55 parts by weight of sucrose and 25 to 52 parts by weight of water.

CLASS 48C &amp; 145C.

143712.

Int. Cl. B28d 1/32.

IMPROVED METHOD FOR THE PREPARATION OF CONTINUOUS SHEETS OF PAPER FROM PULP MADE FROM MINERAL FIBRES LIKE ASBESTOS, GLASS, MICA AND OTHER LIKE CLEAVABLE MATERIALS.

*Applicant & Inventor* : BHOJANALA KRISHNAMOORTHY, C/O. BHARAT HEAVY ELECTRICALS LTD., "VANI NILAYAM", SEBASTIAN ROAD, SECUNDERABAD, ANDHRA PRADESH, INDIA.

Application No. 123/Mas/75 filed August 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No Drawings.

Improvements in a conventional process for preparing continuous sheets of paper from pulp made from mineral fibres like asbestos, glass and minerals like mica the improvement comprising adding at any stage between the head box and the calender of per mill in the preparation of paper from the pulp, known inorganic phosphate binders as herein defined having the following characteristics :—

- having bonding effect for the above mentioned fibres;
- imparting mechanical strength to the paper produced;
- having properties which do not interfere with the dielectric properties of the paper made and which do not interact with the chemical used in the processing of the paper and its mechanical handling;
- in an aqueous solution of which the pulp can be easily dispersed;
- which is water soluble at room temperature and;
- which can dry at temperatures not above 200°C and wherein the said binders are not more than 50% by weight of the pulp.

CLASS 40-F &amp; 130-I.

143713.

Int. Cl. C22b 3/00; 3/02.

A PROCESS AND APPARATUS FOR DIGESTION AND EXPANSION OF BAUXITE SLURRY IN THE ALUMINA PRODUCTION.

*Applicant* : ALUTERV ALUMINIUMIPARI TERVEZO VALLALAT, OF POZSONYI UT 56, BUDAPEST XIII, HUNGARY.

*Inventors* : FERENC ORBAN, (2) GEZA PINTER & LASZLO FRANK.

Application No. 40/Cal/75 filed January 7, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for digestion and expansion of bauxite slurry in the alumina production, in which a quantity of steam is formed during the gradual expansion of the digested slurry and utilized for the gradual preheating of the bauxite slurry, characterized in that the level of the steam condensate is adjusted in the heating tube system of the pre-heating units which are heated with the steam liberated in the corresponding expansion vessels.

CLASS 127-I &amp; 174F.

143714.

Int. Cl. B01j 1/12.

A FLUID-OPERATED AGITATOR AND A METHOD OF AGITATING LIQUIDS OR LIQUID-SOLID SUSPENSIONS.

*Applicant* : VISH MINNO-GEOLOSHKI INSTITUTE-NIS, OF DARVENITZA, SOFIA, BULGARIA.

*Inventors*: PROF. STOYCHO MITREV STOEV, (2) ENG. METODI STOYANOV METODIEV, (3) ENG. LSU-BOMIR VLADIMIROV KUZEV, (4) ENG. PETKO GEORGIEV VEDRICHKOV, (5) ENG. IVAN MITREV SAPUNAROV, (6) VASSIL VLADIMIROV VASSILEV, (7) ENG. VIHAR ASSENOV GASHKOV, (8) ENG. SHEKO KOLEV RUSSEV, (9) ENG. SPAS PETROV DIMITROV & (10) ENG. KOSTADIN GEORGIEV MITREV.

Application No. 457/Cal/75 filed March 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 18 Claims.

A fluid-operated agitator which comprises a working chamber located above a fluid cell, and separated therefrom by one or more valves, the arrangement being such that fluid is supplied to said fluid cell so as to displace the valve head(s) from the valve seat(s) thereby allowing fluid to pass from the fluid cell into the working chamber which, in use, contains liquid.

CLASS 39-D.

143715.

Int. Cl. C01f 11/18.

A PROCESS OR RECOVERING PRECIPITATED CALCIUM CARBONATE FROM PRESS MUD OF SUGAR FACTORIES FOLLOWING CARBONATION PROCESS FOR CLARIFICATION OF SUGARCANE JUICE.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

*Inventors*: SARAT CHANDRA DAS & SAMARENDRA NATH DUTTA.

Application No. 813/Cal/75 filed April 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims. No drawing.

A process of recovering precipitated calcium carbonate from press-mud of sugar factories following carbonation process for clarification of sugarcane juice comprises mixing the sludge with water to obtain a thin slurry, passing same through a 200 mesh B. S.S. to eliminate sand and other particles, treating sieved material with a sulphomethylated compounds obtained as a by-product from previous charge to disperse the clay materials associated with press-mud, separating the precipitated calcium carbonate and treating the same with sodium sulphite and formaldehyde under reflux to solubilize insoluble organic contaminants like lignin, polyphenols etc. due to introduction of hydrophilic sulphomethyl group/groups formed out of reaction between sodium sulphite and formaldehyde solution in molar proportion, filtering and washing with water the partially purified calcium carbonate obtained and subjecting alternatively to sodium hypochlorite or hydrogen peroxide treatment and finally drying to obtain the purified product.

CLASS 42-C.

143716.

Int. Cl. A24f 13/02.

A DEVICE FOR USE WITH A CIGARETTE OR PIPE.

*Applicant & Inventors*: DHANANJAYA RAMCHANDRA PHATAK, MRS. VIJAYA DHANANJAYA PATHAK AND RAMCHANDRA DIWAKER PHATAK, AT 201, MEGHDOOT, NEHRU PLACE, NEW DELHI-110024, INDIA.

Application No. 1076/Cal/76 filed June 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 16 Claims.

A device for effectively removing the hazardous impurities from the smoke drawn from a burning pipe or cigarette comprising a central body having a chamber for storage of water upto a predetermined level therein, means including a tube provided at one end of said device for holding a cigarette or for attachment to the bowl member of a pipe, said tube adapted to be in flow communication with the water chamber when suction is applied to said device, said tube further having an opening or a plurality of openings and means such

as to prevent the flow of water therein, smoke entering said tube being allowed to flow through the water stored within said chamber, a mouth piece provided at the end of said device opposite to said tube, an outlet extending into said water chamber and communicating with the mouth end of said mouth piece, a valve means associated with said outlet and such that only in the presence of a suction the valve opens said outlet.

CLASS 32Fa.

143717.

Int. Cl. C07c 101/62.

A PROCESS FOR THE MANUFACTURE OF METHYL ANTHRANILATE FROM PHTHALIMIDE.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

*Inventors*: MARIMGANTI BAPUJI, (2) YERRAMALLI RAMACHANDRA RAO, AND SHIBA NARAYAN MAHA-PATRA.

Application No. 1223/Cal/76 filed July 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims. No drawing.

An improved process for the preparation of methyl anthranilate, characterised in that phthalimide is reacted with sodium hypochlorite in aqueous or aqueous alcoholic solution to obtain an intermediate, followed by decomposing the intermediate thus formed by adjusting the pH of the reaction mixture at 7 to 9 to obtain methylanthranilate and purifying the same in known manner.

CLASS 147.

Int. Cl. B43L 11/00.

*Applicant & Inventor*: FREDRICK RAJEN JESURATNAM, OF 47/30, EAST PATEL NAGAR, NEW DELHI-110002, INDIA.

#### A HARMONIUM.

Application No. 1792/Cal/76 filed September 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims.

An electronically operated harmonium having a circuit comprising an oscillator, an amplifier connected to the output terminals of said oscillator, a speaker or a plurality of speakers connected to said amplifier, a power source adapted to be connected to said circuit and further comprising a plurality of plates corresponding to the notes required from the harmonium, each of the plates having its own resistance, and connected at one end thereof to the oscillator and a stylus connected to said oscillator and adapted to traverse over any one plate at any one instance.

CLASS 187D.

143719.

Int. Cl. E01b 27/16, 27/17.

TRAVELLING MACHINE, PARTICULARLY A TRACK TAMPING AND LEVELLING MACHINE.

*Applicant*: FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., OF JOHANNES-GASSE 3, VIENNA 1, AUSTRIA.

*Inventor*: ING. JOSEF THEURER.

Application No. 2281/Cal/76 filed December 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 15 Claims.

A travelling machine, more especially a track tamping and levelling machine, for tamping and consolidating the ballast beneath the sleepers of a railway track, including a machine frame mounted on undercarriages and at least one vertically adjustable tamping and consolidating unit comprising tools arranged more especially in pairs per sleeper and mounted for adjustment relative to one another on a tamping tool

holder and, associated with these tools, vibration, infeed and vertical adjustment drives, and further including means for lifting and, optionally, laterally aligning the track, characterised in that the machine frame intended for receiving and mounting the tamping and consolidating unit (8 or 38) and the units (7, 40) for lifting and, optionally, laterally aligning the track is simply in the form of a beamlike longitudinal support (2, 33) extending substantially centrally and along the longitudinal axis of the machine, the tamping and consolidating unit(s) (8 or 38) being arranged outside the profile of the longitudinal support.

CLASS 127-A &amp; 132A.

143720.

Int. Cl. F16d 13/24.

#### CONE CLUTCH TRANSMISSION FOR TRANSIT/STATIONARY CONCRETE MIXERS.

*Applicant & Inventor:* BALDEV RAJ CHADHA, AT BEAS SOLEJ LINK PROJECT, WORKSHOP DIVISION NO. 1, PANDOH, DISTRICT: MANDI (H.P.).

Application No. 1111/Cal/74 filed May 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 2 Claims.

A cone clutch Transmission for Transit/Stationary Concrete Mixtures comprising an electric motor coupled to a drum of cast iron/steel lined with friction blocks forming an inner conical contacting surface; a cone assembly comprising a cast iron cone having a hollow splined hub (threaded on outside surface) freely sliding over a splined shaft, outer surface of the said cast iron cone matching to the inside of the said cast iron/steel drum; joined to reduction gear unit through the said splined shaft by means of a flexible coupling, a cone shifter mechanism comprising of a ball bearing contained in a housing fitted over the threaded hub of the said cast iron cone, a shifter connected to the said housing and a leverage mechanism actuating the said shifter; the arrangement being such that the said cone assembly can be engaged to the said cast iron/steel drum with the operation of the said cone shifter mechanism so as to enable the flow of power from the said motor to the said reduction gear unit (when ever need be), the said cone can be disengaged from the said cast iron/steel drum by operating the said shifter mechanism in the opposite direction, thus affording the variable speed output for rotating the concrete mixing drum for the said transit/stationary mixer without switching off the said motor.

CLASS 107-J.

143721.

Int. Cl. F02n 11/00.

#### ENGINE STARTING SYSTEMS.

*Applicant:* THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

*Inventor:* ROGER HENRY HARTLEY.

Application No. 1152/Cal/74 filed May 25, 1974.

Convention date July 25, 1973(35433/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

An engine starting system including a manually operable switch, an electromagnet winding energised by operation of said switch to move a pinion of a starter motor to an operative position, a thermally operable snap-action switch the heater of which also is energised by operation of the manually operable switch, and a relay energised by way of the thermally operable switch and controlling energisation of the starter motor the operating time of the thermally operable switch providing a delay between movement of the pinion to its operative position and energisation of the starter motor.

CLASS 98-G.

143722.

Int. Cl. F28d 7/00.

#### AIR-COOLED HEAT EXCHANGER WITH AFTER-CONDENSER.

*Applicant:* THE LUMMUS COMPANY, OF 1515 BROAD STREET, BLOOMFIELD, NEW JERSEY 07003, U.S.A.

*Inventor:* WILLEM SCHOONMAN.

Application No. 167/Cal/75 filed January 28, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

In an air-cooled heat exchanger for condensing vapors, having a main condensing section comprising a first outer plurality of U-shaped tubes having upstream legs connected to a vapor inlet manifold and downstream legs connected to a first condensate manifold, a first inner plurality of U-shaped tubes connected at one end to a vapor inlet manifold and at the other end to a second condensate manifold, and means for directing air to flow over the external surfaces of the tubes, the improvement comprising an after-condensing section comprising third and fourth condensate manifolds, a second outer plurality of U-shaped tubes connected at one end to the second condensate manifold and at the other end to the second condensate manifold and at the other end to the third condensate manifold, a second inner plurality of U-shaped tubes having upstream legs connected to the first condensate manifold and downstream legs connected to the fourth manifold, the second inner plurality of U-shaped tubes being located within the space enclosed within the second outer plurality of U-shaped tubes, means for draining condensate from the third and fourth condensate manifolds means for removal of uncondensed vapor from the second outer and inner pluralities of U-shaped tubes, the tubes being so disposed that the same air stream passage over the external surfaces of the tubes of the first and second inner and outer pluralities.

CLASS 69-O.

143723.

Int. Cl. M01n 1/00.

#### ELECTRICAL SWITCHES.

*Applicant:* THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM-19, B19 2XF, ENGLAND.

*Inventor:* KEITH LEWIS.

Application No. 388/Cal/75 filed March 1, 1975.

Convention date March 14, 1974(11421/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

An electrical switch including a housing, switch contacts within the housing, an operating member carried by the housing and movable relative thereto to operate said switch contacts, a light source within the housing, first window means in the wall of the housing through which light from said source can issue, second window means in the wall of the housing through which light from said source can issue, and a shutter member movable with said operating member and arranged to cover said second window means externally of the housing to prevent light issuing from said second window means when the operating member occupies a predetermined position relative to said housing.

CLASS 190-B.

143724.

Int. Cl. F15d 1/08.

#### A NOZZLE BOX FOR USE WITH STEAM TURBINES.

*Applicant:* BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20, KASTURBA GANDHI MARG, NEW DELHI-11001, INDIA.

*Inventors:* DEVALRAJU SREE MAHA VISHNU, (2) SUDHAKAR GOVIND KHARE, AND SHAIK RAHA-MATULLA.

Application No. 1606/Cal/75 filed August 18, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 2 Claims.

A nozzle box for use in a steam turbine, the said nozzle box being made in two halves characterised by the provision of a passage for the entry of steam in each half of the nozzle box,

on the vertical central line and wherein the said passage for the flow of steam is reduced uniformly from the place of entry of steam to the horizontal central line of the nozzle box and the flow passages in the nozzle box extend all around the nozzle box for full 360 degree of the passage annulus directing steam to the first high pressure stage.

CLASS 204.

143725.

Int. Cl. G01g 9/00.

**BALANCE FOR DETERMINING WEIGHT PERCENTAGE OF EXTRACTED COMPONENT WITH RESPECT TO THE TOTAL WEIGHT OR MATERIAL.**

*Applicant:* OSOBOE KONSTRUKTORSKOE BIURO SREDSTV IZMERENIA MASS, USSR, ODESSA, ULITS A ZHELYABOVA, 1.

*Inventors:* VALERY KONSTANTINOVICH KUZMICH AND YAKOV TEVELEVICH DASHEVSKY.

Application No. 2000/Cal/75 filed October 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

A balance for determining weight percentage of an extracted component with respect to the total weight of the material, having a beam made as a frame borne on a support; one of the horizontal sides of said frame having a linear scale; two movable load-receiving units being located on the same side of the frame, one on each side of the support; said load-receiving units being connected by a rigid tie-rod having a vernier; the other side of the horizontal frame having two movable balance weights interconnected by another rigid tie-rod; both load-receiving units and both balance weights being interconnected by flexible ties that run around a drum the rotation of which sets in motion the load-receiving units and the balance-weights that move simultaneously along the horizontal sides of the beam in the opposite direction until the beam is set in equilibrium, at which the position of the vernier is used to read the sought for per cent ratio from the scale.

CLASS 69E &amp; F.

143726.

Int. Cl. H01h 9/00.

## ELECTRICAL SWITCH

*Applicant:* THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM B19 2XF, ENGLAND.

*Inventor:* KEITH LEWIS.

Application No. 2320/Cal/75 filed December 10, 1975.

Convention date December 24, 1974/(55750/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

An electrical switch including a body, an operating member mounted for linear sliding movement in the body, a first pair of fixed electrical contact members supported by the body and extending parallel to the direction of movement of the operating member, a first conductive bridge carried by said operating member and resiliently urged at right angles to the direction of movement of the operating member towards a plane containing said first contact members, a second pair of fixed electrical contact members supported by the body and extending parallel to said direction of movement of said operating member, a second conductive bridge carried by said operating member and resiliently urged at right angles to the direction of movement of the operating member towards a plane containing said second contact members, and a ramp carried by the body associated with the first pair of contact members, and engageable by the first bridge, the relative positioning of the contact members, the bridges, and ramp being such that in a first position of the operating member relative to the body the first bridge engages the first pair of contact members, and is spaced in the direction of movement of the operating members from said ramp, and said second bridge is spaced in the direction of movement of the operating member from at least one of said second pair of contact members, and in a second position of the operating

member relative to the body said first bridge is engaged on said ramp, and is held by said ramp out of engagement with at least one of said first pair of contact members against the action of said resilient bias, while said second bridge engages said second pair of contact members.

CLASS 32F.b.

143727.

Int. Cl. C07d 99/24.

## A PROCESS FOR PRODUCING CEPHALOSPORINS.

*Applicant:* TOYAMA CHEMICAL CO. LTD., OF 1-18, KAYABACHO, NIHONBASHI, CHUO-KU, TOKYO, JAPAN.

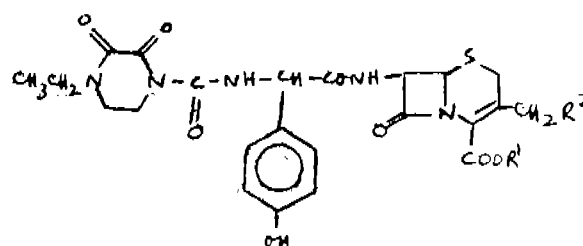
*Inventors:* ISAMU SAIKAWA, SHUNTARO TAKANO, CHOSAKU YOSHIDA, OKUTA TAKASHIMA, KAISHU MOMONOI, SEIETSU KURODA, MIWAKO KOMATSU, TAKASHI YASUDA AND YUTAKA KODAMA.

Application No. 101/Cal/76 filed January 19, 1976.

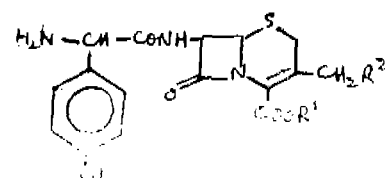
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

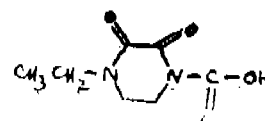
A process for preparing compound of the general formula (I)



where  $R^1$  represents a hydrogen atom, a salt-forming cation, or a blocking group; and  $R^2$  represents an acetoxy, carbamoyloxy, 2-(5-methyl-1, 3, 4-thiadiazolyl)thio, 5-(1-methyl-1, 2, 3, 4-tetrazolyl)thio group, which comprises reacting a compound of the general formula (II).



wherein  $R^1$  and  $R^2$  are the same as defined above, with a reactive derivative in the carboxyl group of a 4-ethyl-2, 3-dioxo-1-piperazincarboxylic acid represented by the formula (III).



and if desired obtaining the non-toxic salts as herein described by conventional methods.

CLASS 47C &amp; 85J &amp; K.

143728.

Int. Cl. C10b 49/02, 53/08.

**A METHOD AND A FURNACE FOR PRODUCING NON-ABRASIVE COKE BRIQUETTES FROM LIGNITE BRIQUETTES.**

*Applicants:* FIRMA CARL STILL, OF KAISERWALL 21, RECKLINGHAUSEN, FEDERAL REPUBLIC OF GERMANY AND RHEINISCHE BRAUNKOHLNWERKE AKTIENGESellschaft, OF KONRAD-ADENAUER-UFER 55, KÖLN, FEDERAL REPUBLIC OF GERMANY.

**Inventors :** KURT LORENZ, HORST DUNGS, PETER SPEICH AND ROMAN KURTZ.

Application No. 289/Cal/76 filed February 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A method of producing non-abrasive coke briquettes from lignite briquettes, in which the lignite briquettes are preheated, dehydrated or dried, coked and finally cooled in at least three stages, using circulations of hot gas, the preheating taking place at a temperature within the range of from 100 to 170°C; the dehydrating taking place at a temperature within the range of from 100 to 170°C; the dehydrating taking place at a temperature within the range of from 190 to 270°C; the coking taking place at a temperature within the range of from 750 to 1050°C; and the cooling taking place at a temperature within the range of from 100 to 250°C; and in which the hot gas consists substantially of burnt weak gas from coking, wherein in each stage the hot gases are circulated in a respective cycle.

CLASS 35B & C & D. & 85H. 143729.

Int. Cl. F27b- F27d 3/00. C04b 7/34; 7/02; 7/44.

A METHOD OF CALCINING PULVEROUS OR GRANULAR RAW MATERIAL AND A KILN PLANT FOR THE SAME.

**Applicant :** F. L. SMIDT & CO. A/S OF 77, VIGERSLEV ALLE, DK-2500, VALBY, COPENHAGEN, DENMARK.

**Inventor :** ROLF DIETRICH HOUD.

Application No. 787/Cal/76 filed May 5, 1976.

Convention date May 16, 1975(20905/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

A method of calcining pulverous or granular raw material such as herein described in a kiln plant comprising a kiln for burning the material, a cooler, coupled after the kiln, for cooling by means of atmospheric cooling air the product burned in the kiln, and means for preheating and at least partially calcining the raw material before passing it to the kiln, including at least one pre-heater coupled before the kiln for preheat-treating a first flow of raw material by heat exchange with spent cooling air from the cooler and means for passing into and through the cooler a second flow of raw material for preheat-treating in the cooler by the heat given off by the burned product the two thus preheat-treated flows of material being subsequently united so as to be jointly subjected to the burning proper or to a final preheat-treatment and to the burning proper.

CLASS 151C. 143730.

Int. Cl. F16L 11/08.

HOSE REINFORCED WITH DISCONTINUOUS FIBERS ORIENTED IN THE RADIAL DIRECTION AND A METHOD FOR PREPARING THE SAME.

**Applicant :** MONSANTO COMPANY, OF 800 NORTH LINDBERGH BOULEVARD, ST LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.

**Inventors :** LLOYD ARNOLD GOETTLER AND ARTHUR JAMES LAMBRIGHT.

Application No. 1322/Cal/76 filed July 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

40 Claims.

A hose of extrudable polymer reinforced with discontinuous fibers in which the radial component of fiber orientation exceeds the circumferential component of fiber orientation, prepared by a process as herein after described.

CLASS 128-G.

143731.

Int. Cl. A61b 5/08; A61k 27/00; G01n 21/00.

IMPROVEMENTS IN OR RELATING TO BREATH ALCOHOL ANALYSERS FOR DETECTING ALCOHOL IN BREATH.

**Applicant :** COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW-DELHI-110001, INDIA.

**Inventors :** DR. HARSH VARDHAN, AND RAGHBIR SINGH KHANDPUR.

Application No. 30/Del/77 filed February 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

A process for making an alcohol breath analyser for detecting alcohol in breath by connecting an indication tube containing potassium dichromate which undergoes colour change in the presence of sulphuric acid on contact with alcohol vapour to an inflatable bag and a mouthpiece characterised in that the chemical, namely, potassium dichromate is coated on silica gel crystals by mixing the silica gel crystals in a solution of potassium dichromate in sulphuric acid prior to putting in the tube, further characterised in that, prior to coating, the silica gel is cleaned with nitric acid followed by washing to completely remove the acid and drying.

CLASS 32F<sub>d</sub>. 143732.

Int. Cl. C07c 57/14.

PROCESS FOR THE MANUFACTURE OF MALEIC ANHYDRIDE.

**Applicant :—**PRODUITS CHIMIQUES UGINE KUHLMANN, OF 25 BOULEVARD DE L' AMIRAL BRUX, PARIS 16EME, FRANCE.

**Inventors :** JEAN HENRI CAMILLE CIQUIER AND MICHEL HYPOHITE CARFANTAN.

Application No. 2437/Cal/74 filed November 6, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawing.

A process for the manufacture of maleic anhydride by the oxidation of benzene with oxygen in the presence of a catalyst consisting of an insert support coated with a catalytically active mass in which the catalytically active mass contains 10% to 20% by weight of antimony trioxide, 40% to 70% by weight of vanadium pentoxide and 10% to 50% by weight of at least one other inorganic oxide, the catalyst having been activated by heating in air at a temperature of from 300°C to 600°C for 6 to 24 hours.

CLASS 80-I. 143733.

Int. Cl. B01d 13/06.

METHOD OF IMPROVING THE SALT REJECTION PERFORMANCE OF SEMIPERMEABLE MEMBRANES.

**Applicant :** IUP INC. FORMERLY KNOWN AS UNIVERSAL OIL PRODUCTS COMPANY, OF TEN IUP PLAZA—ALCONQUIN AN DMT, PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

**Inventors :** SEYMOUR SHANDER, KREMER, GERALD EDWARD FOREMAN AND JOHN MELVIN CHIRRIK.

Application No. 522/Cal/75 filed March 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A method of improving the salt rejection performance of semipermeable membranes which method comprises incorporating into a semipermeable membrane a quaternary polymer such as herein described by contacting the membrane with an aqueous solution containing from about 5 ppm

to 2 wt % of the supplemental polymer containing a substantial amount of acetyl groups and subsequently insolubilizing the supplemental polymer whereby the rejection performance thereof is improved.

CLASS 32A1.

143734.

Int. Cl. C09b 62/00.

#### LIQUID PREPARATIONS OF REACTIVE DYESTUFFS.

*Applicant:* HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors:* LUDWIG SCHLAFFER, AND KONRAD OPITZ.

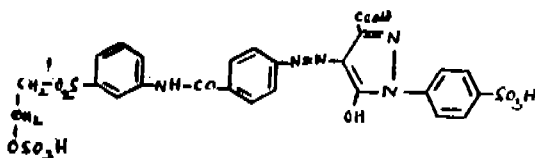
Application No. 670/Cal/75 filed April 2, 1975.

Addition to No. 671/Cal/75.

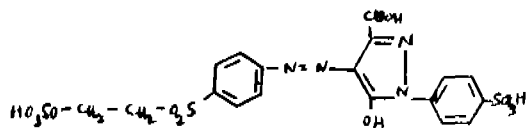
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

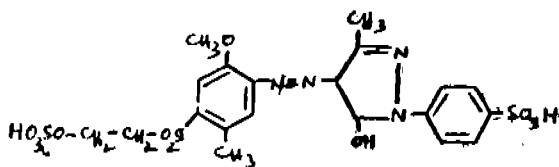
Liquid, aqueous dyeing preparations of a reactive dyestuff, containing 5 to 35% by weight of the dyestuff of the formula I.



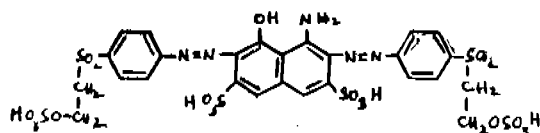
or of the dyestuff of the formula II.



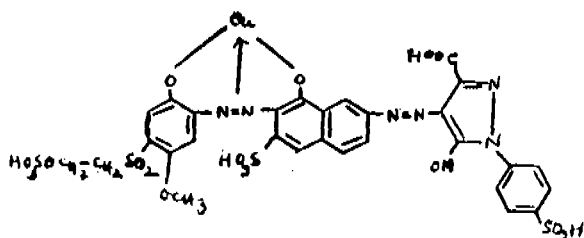
or of the dyestuff of the formula III.



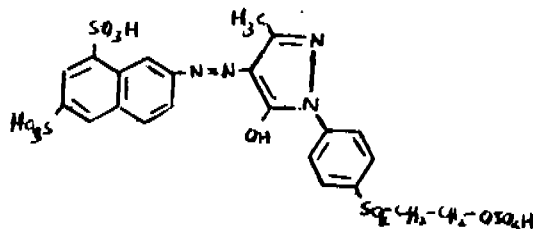
or of the dyestuff of the formula IV.



or of the dyestuff of the formula V.



or of the dyestuff of the formula VI.



which in form of the free acid correspond to the formula (I) or (II) or (III) or (IV) or (V) or (VI) of the accompanying drawings and furthermore containing 1 to 5% by weight of buffer substances which are not capable of reacting chemically with the reactive group which would reduce the dyestuff yield, and having a pH-value of from 3 to 7.

CLASS 32A1.

143735.

Int. Cl. C09b 62/00.

#### LIQUID AQUEOUS DYEING PREPARATIONS OF REACTIVE DYESTUFFS.

*Applicant:* HOECHST AKTIENGESELLSCHAFT OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

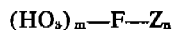
*Inventors:* LUDWIG SCHLAFFER, AND KONRAD OPITZ.

Application No. 671/Cal/75 filed April 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

Liquid aqueous dyeing preparations of reactive dyestuffs which contain from 5 to 35% by weight of one or several dyestuffs, which in the form of their free acid correspond to the general formula I.



wherein F represents the radical of a dyestuff chromophore of an anthraquinone, a mono-, di- or tri-azo dyestuff, or of a phthalocyanine dyestuff, the phthalocyanine dyestuffs as well as the azo dyestuffs possibly being present as complex metal compounds with Cu, Cr, Co, Ni or Fe as the complex-forming central atom,  $m$  represents an integer being or above, and  $n$  is an integer in the range of from 1 to 3, and Z stands for a fiber-reactive group, and which contain also from 1 to 5% by weight of buffer substances and have a pH value ranging from 3 to 7.

CLASS 27-I, 35-D & 152C.

143736.

Int. Cl. C04b 7/12.

#### CONSTRUCTION COMPOSITION.

*Applicant & Inventor:* WILLIAM LEO COPELAND OF 119, FAIRFIELD OAKS, SHREVEPORT, LOUISIANA, UNITED STATES OF AMERICA.

Application No. 1067/Cal/75 filed May 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawing.

A composition, which upon mixing with water and subsequent setting forms a material of construction, comprising gypsum, an expanded ore, cement, and polypropylene, fiberglass or sisal fibers.

#### OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Pulling and Lifting Machines Private Limited to the grant of a patent on application No. 141906 made by Tractel Tirfor India Private Limited.

(2)

An opposition has been entered by Bharat Heavy Electricals Ltd. to the grant of a patent on application No. 142410 made by Schweizerische Isola-Werke.

(3)

An opposition has been entered by Kandadav Santhanam to the grant of a patent on application No. 142579 made by Elektro-Thermit GMBH.

#### CORRECTION OF CLERICAL ERROR UNDER SECTION 78(3)

Correction of the title of the invention in the application and specification of Patent Application No. 142072 (earlier numbered 1367/Cal/75) as notified in this Part and Section of the Gazette of India dated the 14th January 1978 shall be amended to read as:—

"Rotary internal combustion engine with high thermal efficiency and maximum fuel economy."

#### PATENTS SEALED

140722 140785 140967 141209 141432 141512 141514 141523 141524 141530 141539 141689 141699 141747 141748 141763 141767 141772 141775 141777 141792 141830 141844 141913 142072

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Emhart Industries, Inc., of 426 Colt Highway, Farmington Connecticut 06032, United States of America, a corporation organised and existing under the laws of the State of Connecticut, United States of America, have made an application under Section 57 of the Patents

#### COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name & Address of Patentee	Brief title of the invention
1	2	3	4	5
1.	133969	16-12-1971	Snamprogetti S. p. A., 16 Corso, Venezia, Milan, Italy.	Recovery of propene from mixture containing the same.
2.	136834	6-6-1973	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Simultaneous production of red oxide of iron and sodium sulphate.
3.	138230	10-4-1973	Hayashibara Biochemical Laboratories Inc., No. 2-3, 1-chome, Chimoishi, Ok ayama Keu, Japan.	Stabilising and reducing the nutritional value of a food material.
4.	138363	7-10-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Treatment textile materials to impart durable press durable press properties.
5.	138396	6-4-1973	Bristol Myers Co., 345 Park Avenue, New York.	Water insoluble crystalline form of cephalosporin monohydrate
6.	138424	13-7-1973	American Home Products Corp., 685 Third Avenue, New York-17.	Azaindole fused heterocyclic compounds.
7.	138425	13-7-1973	Do.	Do.
8.	138426	13-7-1973	Do.	Do.
9.	138427	13-7-1973	Do.	Do.
10.	138428	13-7-1973	Do.	Do.
11.	138442	30-4-1975	Monsanto Co., 800 North Lindbergh Boulevaru, St. Louis, Missouri 63166, U.S.A.	N-phosphosphonomethyl glycine.

Act, 1970 for amendment of specification of their application for patent No. 141978 for "Individual section high speed forming machine for making glassware". The amendments are by way of correction so as to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

The amendments proposed by Hooker Chemical Corporation in respect of patent application No. 141348 as advertised in Part III, Section 2 of the Gazette of India dated the 3rd September 1977 have been allowed.

(3)

The amendments proposed by Ciba-Geigy A.G., in respect of patent application No. 141639, as advertised in Part III, Section 2 of the Gazette of India dated the 3rd September, 1977 have been allowed.

(4)

The amendments proposed by Hoechst Aktiengesellschaft in respect of patent application No. 142146 as advertised in Part III, Section 2 of the Gazette of India dated the 3rd September 1977 have been allowed.

1	2	3	4	5
12.	138449	9-1-1973	Unilever Ltd., Unilever House, Blackfriars, London EC4.	Preparation of black tea from green or unfermented tea.
13.	138459	15-4-1974	UCB S.A., 4 Chaussee de Charleroi Saint-Gilles les-Bruxelles, Belgium.	Sodium ethyl xanthate.
14.	138465	19-5-1973	Hoechst AG., 6230 Frankfurt/Main, Federal Republic of Germany.	Pesticidal composition.
15.	138466	20-4-1972	Herchel Smith, 450 Garden Lane Bryn Mawr, Pennsylvania, U.S.A.	A 16, 17-dihydroxygon-2, 3, 5 (10) triene.
16.	138467	20-4-1972	Do.	16, 17 dihydroxygon-1, 3, 5 (10)-triene.
17.	138468	25-1-1973	Bayer AG., Leverkusen, Federal Republic of Germany.	7-amino $\Delta^3$ cephen derivatives.
18.	138475	22-1-1973	Hindustan Lever Ltd., Hindustan Lever House, Backbay Reclamation, Bombay-20.	An aerosol anti perspirant composition.
19.	138477	28-9-1973	Pfizer Inc., 235 East 42nd St., New York-17.	Dietetic composition.
20.	138478	20-4-1972	Do.	Aminoarylpyrimidines.
21.	138485	3-1-1973	PB Gelatines, 1 Square des Meeus, 1040 Bruxelles, Belgium.	Cold water soluble gelatin composition.
22.	138487	26-6-1974	The Regents of the University of California, 521 University Hall, 2200 University Avenue, Berkeley, California.	N-aminosulfenylated derivatives of carbosuran.
23.	138488	19-4-1974	Canadian Industries Ltd., 630 Dorchester Boulevard, West Montreal, Quebec.	Oxygen deliquification process.
24.	138492	26-6-1973	Hoechst AG., 6230 Frankfurt/Main, Federal Republic of Germany.	Fixing prints with reactive dyestuffs on textile materials of native or regenerated cellulose and mixture thereof with synthetic fibres.
25.	138496	27-11-1972	Canadian Industries Ltd., 630 Dorchester Boulevard, West Montreal 101, Quebec, Canada.	Explosive compositions.
26.	138507	6-11-1972	American Home Products Corp., 685 Third Avenue, New York 10017.	Benzobicycloalkane compounds.
27.	138509	17-12-1974	Mudge & Co. Inc., 2785 Nath Speer Boulevard, Denver, Colorado 80211.	Analgesic compositions.
28.	138511	3-1-1974	The Wellcome Foundation Ltd., 183-193 Euston Rd., London N.W. 1.	Preparing pharmaceutical foundation.
29.	138524	19-2-1975	Knoll AG., Ludwigshafen am Rhein, Federal Republic of Germany.	Novel salt of N-phenyl-N-benzyl-4-amino-1-methyl piperidine.
30.	138537	8-3-1973	Thomas William Garlic, 21 Bloomsbury Square, London W.C. 1.	Continuous casting.
31.	138540	18-4-1973	Ugine Aciers, 10 rue du General Foy, Paris.	Making steel.

1	2	3	4	5
32.	138547	7-2-1974	Peter Larws Stettinerstrasse 35, 638 Bad Hambourg, West Germany.	Toy building brick.
33.	138549	22-1-1973	Hindustan Lever Ltd., Hindustan Lever House, Backbay Recla- mation, Bombay-20.	Detergent bars.
34.	138568	21-3-1973	Bayer AG., Leverkusen, Federal Republic of Germany.	Water insoluble preparation of peptide materials.
35.	138574	21-3-1973	Do.	Do.
36.	138591	29-8-1975	Monsanto Co., 800 North Lin- dbergh Boulevard, St. Louis, Missouri, 63155, U.S.A.	Substituted phenols.
37.	138597	16-12-1971	Bayer AG., Liverkusen, Federal Republic of Germany.	Azo dyestuffs.
38.	138499	12-9-1973	F. Hoffmann La Roche & Co., AG., 124-184 Grenzachers- trasse, Basle, Switzerland.	Fluorescent material.
39.	138602	9-3-1973	John Wyeth & Brother Ltd., Huntercombe Lane South, Taplow, Mandenhead, Berk- shire, England.	4-a inoquinoline derivatives.
40.	138636	5-3-1973	Teijin Ltd., 11, 1-chome, Minami Lanmachi Higashi-ku, Osaka, Japan.	Novel immunoglobulin.
41.	138647	21-3-1973	Bayer AG., Leverkusen, Federal Republic of Germany.	Process for carrying out an enzyme catalysed conver- sious of penicillins.
42.	138665	20-12-1973	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Hague, Netherlands.	Production of gases by in- complete combustion of hy- drocarbons.
43.	138677	4-10-1974	Herchel Smith, 500 Chestnut Lane, Wayne, Delaware, U.S.A.	Gona-4, 9-diene-3-ones.
44.	138686	25-5-1973	Solvay & Cie, Rue de Prince Al- bert 33, B-1050 Bussels, Belgium.	Polymerisation of olefins.
45.	138689	2-6-1973	Osterreichich-Americanische Mag- nesit, A.G., Radenthein Caren- thia, Austria.	Sintered magnesia.
46.	138692	1-10-1973	The Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio, 44317.	Pneumatic tire.
47.	138698	28-2-1973	The Anconda Co., 25 Broadway, New York.	Recovery of copper.
48.	138699	6-3-1973	American Home Products Corp., 685 Third Avenue, New York-10017.	Novel phosphonylated peni- cillin.
49.	138700	6-3-1973	The Anconda Co., 25 Broadway New York.	Recovery of nickel.
50.	138701	16-3-1973	Rohm & Haas Co., Independence Mall West, Philadelphia, Penn- sylvania, U.S.A.	Novel diphenyl ether.
51.	138703	7-8-1973	Dunlop Ltd., Dunlop House, Ryder St., St. Jame's London S.W. 1.	Curing elongated article.
52.	138705	28-9-1973	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van, Bylandtlaan, Hague, Netherlands	Producing gas by partial combustion and carburetting said gas.

1	2	3	4	5
53.	138713	26-4-1975	Bayer AG., Leverkusen, Federal Republic of Germany.	Ammonium salts of dithiocarbanic acid.
54.	138719	27-10-1972	Richter Gedeon Vegyeszeti Gyar R.T., 21, Gyomroi ut, Budapest X, Hungary.	New pharmaceutically active eburnaminetype alkaloid esters.
55.	138752	8-8-1973	Shell Internationale Research Maatschappij Boulevard, 30 Carel Vaan, Bylandtlaan, Hague Netherlands.	Thermal cracking of hydrocarbon members.
56.	138753	19-9-1973	Compagnie Industrielle de Procedes et D'applications S.A., Temple Neuf 4, 2001, Neuchatel, Switzerland.	A self agglomerating fluidised bed reacting process.
57.	138758	23-2-1974	Dhrangadhra Chemical Works Ltd., 241 Backbay Reclamation, Nariman Point, Bombay-21.	Common salt.
58.	138783	7-11-1972	The Wilkinson Process Co., 70 Jalan Ampaarg, Kuala Lumpur, Malaysia.	Coagulating latex.
59.	138785	16-2-1973	May & Baker Ltd., Dagenham, Essex, England.	New cyclopentane derivatives.
60.	138787	21-5-1973	E. R. Squibb & Sons Inc., Lawrence Ville, Princeton Rd., Princeton, New Jersey, U.S.A.	7-(D-alphh-amino-1, 4-cyclohexadien-1-1-ylacetamido)-ces acetoxycephalosporanic acid dihydrate.
61.	138801	4-3-1974	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Hague, Netherlands.	Combusting soot and other combustible constituents of an aqueous soot slurry.
62.	138835	5-9-1974	Monsanto Co., 800 North Linderbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	1, 1, 2, 3-tetrachloropropene from 1, 2, 3-trichloropropane.
63.	138849	12-10-1973	Allis-Chalmers Corp., 1126 South 70th St., West Allis 14, Wisconsin, U.S.A.	Heat treating magnetic iron ore involving heat recuperation from cooling of the products.
64.	138850	19-10-1973	Bayer AG., Leverkusen, Federal Republic of Germany.	New derivatives of 3-amino-henzo-1, 2, 4-triazine-1, 4-di-N-oxide.
65.	138853	30-4-1974	Sadayoshi Watanabe, 1247-25, Miyanomani, Chuo-ku, Sappb-aoshi, Hikkaido, Japan.	Producing paper making pulps from gasses.
66.	138855	31-7-1973	Societe Nationale Des Pondres et Exploisifs, 12, quai Henri-IV, 75181, Paris.	Particulate plasticised nitricellulose.
67.	138858	11-4-1975	The Dow Chemical Co., Midland, Michigan, U.S.A.	Substituted oxirane compounds.
68.	138911	17-1-1973	Dr. Beck & Co, AG., 200 Hamburg, 28, Grossmannstr 105, Federal Republic of Germany.	Moulding composition for the manufacture of self extinguishing synthetic resin moulding
69.	138921	1-10-1973	American Home Products Corp., 685 Third Avenue, New York	Preparing composition for reducing blood cholesterol.

1	2	3	4	5
70.	138932	4-5-1973	Diagnostic Data Inc., 518 Logue Avenue, Mountain View, California 94040.	Isolation of substantially pure orgatein.
71.	138941	20-4-1972	American Home Products Corp., 685 Third Avenue, New York	2-amido derivatives of a penicillin.
72.	138942	21-3-1973	Bayer AG., Leverkusen, Federal Republic of Germany.	Carrying out an enzyme catalysed conversion of penicillins.
73.	138944	20-4-1972	Bristol Myers Co., 345 Park Avenue, New York.	Hetacephalexins.
74.	138952	3-5-1973	Ciba Geigy AG., 141 Klybeckstrasse, Basle, Switzerland.	Substituted chloroacetanilides.
75.	138981	20-4-1972	American Home Products Corp., 685 Third Avenue, New York.	2-amidocephalosporin.
76.	138983	3-1-1973	Institut National De La Recherche Agronomique, 149, rue de Grenelle, Paris 7ème.	Process for obtaining rennet.
77.	138985	2-4-1973	The Regents of the University of California, 2200 University Avenue, Berkeley, California, U.S.A.	Preparing silicious compositions from organic plant material.
78.	138993	16-8-1974	Bayer AG., Leverkusen, Federal Republic of Germany.	New acylaminophenyl acetamide compounds.
79.	138994	16-8-1974	Do.	Do.
80.	139018	1-3-1973	Do.	4-nitroso diphenylamine.
81.	139021	27-6-1973	The Rubber Research Institute of Malaya, 260 Jalan Ampang, P. O. Box 150, Kuala Lumpur.	Treatment of latex.
82.	139032	25-1-1974	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Agazone from indigenous agar.
83.	139035	20-4-1972	F. Hoffmann La Roche & Co. A. G., 124-184 Grenzacherstrasse, Basle, Switzerland.	Tricyclic secondary amines.
84.	139043	10-7-1973	Alutew Aluminiumpari Tervezo Vallalat Pozsonyi ut 56, Budapest XIII, Hungary.	Digestion of geothite containing bauxites in production of aluminium.
85.	139073	1-5-1974	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Hague Netherlands.	Partial combustion of fuel using the atomiser.
86.	139110	20-4-1972	Chinoin Gyogyszer et Vegyeszeti Terinekelt Geyara RT., 1-5, To Utca, Budapest IV.	Benzi idazole derivatives.
87.	139114	15-9-1973	Ayerst, McKenna & Harrison Ltd., 1025 Laurentien Boulevard, Saint Laurent, Quebec, Canada.	Rapamycin.
88.	139212	19-9-1974	Shell Internationale Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, Hague, Netherlands.	Synthesis gas.
89.	139620	22-2-1974	Eli Lilly & Co. 307 East Me Carty Str., Indianapolis, Indiana, U.S.A.	Alpha-amino acyl-3-halo cephalosporin.
90.	139723	13-3-1973	Snamprogetti S.p. A., 16 Corso Venezia, Milan, Italy.	Propylene oxide.

# REGISTRATION OF ASSIGNMENTS, LICENCES, ETC., (PATENTS)

Assignments, Licences or other transactions affecting the interest of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests.—

111776.	}	M/s. Hankel Kommanditgesellschaft Auf Aktien (Henkel KGaA).
116994.		
117399.		
119480.		
122930.		
124161.	}	M/s. National Research Development Corporation.
131312.		
127743.	}	M/s. National Research Development Corporation.
127798.		
110273.	}	M/s. Standard Oil Company.
115646.		
115647.		
115648.		
120397.		

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the Invention
94899 (20-4-72)	Improvements in or relating to processes for separating pyridine monocarboxylic acids.
96283 (20-4-72)	Method for the preparation of vaccines.
97539 (20-4-72)	Method of coating tablets.
99586 (20-4-72)	The preparation of 5-nitrofurfuraldehyde.
100700 (20-4-72)	Process for preparation of new imidazole-derivatives.
107602 (20-4-72)	Method for the preparation of phosphonium compounds of secondary amines.
118993 (20-4-72)	A process for the preparation of 2-substituted amine-4-hydroxy polymethylene (5, 6)-pyrimidines.
118994 (20-4-72)	A process for the preparation of 2-piperazino-4-hydroxybenzo-(5, 6) pyrimidines.
119087 (20-4-72)	Method for the production of Rutin.
131553 (31-5-72)	Method of producing and preserving a food product.
132495 (20-4-72)	Process for the preparation of novel antibiotics.
133347 (25-10-71)	Process for preparing curable fluorophosphazene polymers.
133734 (25-11-71)	Treatment of water for preventing scale-formation.
134070 (27-12-71)	Process for preparing urea.
135077 (20-4-72)	Process for preparing pharmacologically active anti-inflammatory agents from curcumin.

## RENEWAL FEES PAID

86120	86213	86280	86281	86282	91512	81588	81623	91796
91981	91998	92305	92337	92856	93488	96424	96444	97217
97249	97250	97325	97412	97438	97439	97451	97521	97607
97816	101799	102858	102942	103044	103271	103279	103348	

103887	103682	103833	103886	104025	104278	105472	105597
108320	108397	108510	108611	108985	109004	109014	109015
109117	109340	109714	109776	113398	113565	113647	113755
113860	113960	113992	114027	114043	114103	114303	114311
114337	114725	114838	114920	116558	117818	118513	118846
119068	119120	119161	119209	119269	119277	119302	119317
119412	119420	119494	119636	120069	120166	120390	120579
120593	120594	120700	124321	124373	124483	124516	124530
124592	124595	124626	124639	124640	124654	124660	124686
124729	124756	124779	124780	124781	124849	124855	124941
124942	124974	124986	124989	125242	125298	125350	125768
125947	128470	129474	129476	129640	129653	129732	129769
129798	129850	129851	129852	129856	129884	129920	129934
130009	130011	130042	130085	130228	130297	130379	131200
131374	133832	133862	133863	133981	133982	134099	134130
134161	134208	134209	134253	134279	134288	134385	134386
134392	134457	134508	134743	134816	134832	134949	134950
134951	136094	136137	136138	136168	136302	136340	136416
136530	136831	136883	136941	137038	137264	137310	138167
138168	138202	138204	138247	138320	138449	138534	138558
138662	138733	138740	138983	139154	139173	139562	139721
139925	139926	139932	140236	140296	140305	140306	140365
140376	140487	140690	140702	140718	140759	140760	140761
140764	140848	140899	140934	140959	141043	141044	141102
141126	141154	141160	141185	141229	141234	141284	141291
141292	141293	141310	141340	141347	141357	141578	141610

## CESSATIONS OF PATENTS

103136	103163	103165	103265	103280	103281	103304	103310
103328	103349	103374	103376	103379	103382	103388	103423
103428	103445	103451	103454	103491	103559	103580	103597
103603	103611	103673	103676	103690	103698	103701	103705
103720	103721	103757	103768	103770	103773	103774	103781
103806	103811	103843	103857	103858	103867	103898	103903
103919	103924	103931	103932	103933	103941	103986	109673
124317	124371	132800	139839				

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. Nos. 145314 & 145315. Natraj Light House, Shop No. 922, Japani Bazar, Ulhasnagar-2, Dist. Thana, Maharashtra, an Indian Property firm. "Burner", March 7, 1977.

Class 1. No. 145434. Vijay Industries, 1/6, J. K. Estate, Opp. Rustam Mills, Dudheshwar Road, Ahmedabad, (Gujarat), India, a partnership concern. "Bead Stand". April 11, 1977.

Class 1. No. 145567. Ambay Cycle Industries, Khasra No. 274, Village & P.O. Karwal Nagar, Shahdara, Delhi-32, India (a firm duly registered under the Indian Partnership Act). "Cycle Lock". May 12, 1977.

Class 3. No. 144906. Madan Lal Aggarwal, Surinder Kumar Aggarwal and Davinder Kumar Aggarwal, Trading as: Aggarwal Engineering Company, Kapurthala-144601, Punjab, India all Indian National. "Vice". November 9, 1977.

Class 3. No. 145516. Shree Agencies, 4E/15, Jhandewalan Extension, New Delhi-110055. (India) an Indian Partnership Firm. "Scooter Compartment". May 7, 1977.

Class 3. No. 145517. Keeptrim Enterprises, 5C/82, New Rohtak Road, New Delhi-110005, an Indian Proprietary Concern. "Skipping Rope". May 7, 1977.

Class 3. No. 145582. Ashok Kumar Verma, trading as Medical Engineers, 6907, Ahata Kedara, Bara Hindu Rao, Delhi-110006, Indian National. "Artificial Respirator". May 16, 1977.

Class 3. No. 145601. Sonodyne Electronics Co. Pvt., an Indian Company, 7, Sourin Roy Road, Calcutta-34, West Bengal, India. "Speaker Systems". May 23, 1977.

Class 3. Nos. 145638 & 145639. Swastik Art Industries, an Indian Partnership Firm of P.O. Box. 7615, Ram Baug, S. V. Road, Malad, Bombay-400064, Maharashtra, India. "Frame". May 31, 1977.

Class 4. No. 145570. Etak Corporation Limited, (a limited company incorporated under the Indian Companies Act), Corner Lady Jamshedji Road, Mahim, Bombay-400016, Maharashtra, India. "Bottle". May 13, 1977.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 140084, 140095, 140140, 140141, 140142, 140143, 140144, 140195, 140534, 140684, 140685, 140686, 140687 Class 1.

Design Nos. 140074, 140077, 140196, 140197, 140198, 140253, 140286, 140331, 140475, 140774, 145044, 145045 .. Class 3.

#### COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design Nos. 121992, 121993, 121994, 127753, 127754 Class 1.  
Design Nos. 131457, 140286, 145044 & 145045 .. Class 3.  
Design Nos. 131632, 131633, 131634 .. Class 4.

#### *Cancellation of the registration of Designs*

##### (Section 51-A)

##### (1)

An application has been made by Manubhai Naranbhai Patel for cancellation of the registration of Design Nos. 145052 in Class 3 in the name of Indo National Limited.

##### (2)

An application has been made by Manubhai Naranbhai Patel for cancellation of the registration of Design No. 145082 in Class 3 in the name of Indo National Limited.

S. VEDARAMAN

*Controller-General of Patents, Designs and Trade Marks.*